

CLAIMS

1. A debris collection container for a planer which employs a stream of air to remove debris generated by the planer, the debris collection container comprising:
 - a receptacle for storage of the debris; and
 - a connector attachable between the receptacle and the planer and which defines a path along which air and debris can pass from the planer to the receptacle, the connector including a connection section and a part spherical shaped dome section, the connection section attached to a side wall of the part spherical shaped dome section and defining an aperture through which air and debris pass from the connection section into the part spherical shaped dome section, the part spherical shaped dome section having a base and the base defining a large aperture through which air and debris enter the receptacle, and wherein the part spherical shaped dome section includes a deflector for curving the path of air and debris through substantially ninety degrees as the path passes through the part spherical dome section.
2. A debris collection container as claimed in claim 1 wherein the connection section of the connector is substantially perpendicular to the longitudinal axis of the planer when the debris collection container is attached to the planer.
3. A debris collection container as claimed in claim 1 wherein the path of air and debris enters the receptacle substantially parallel to the longitudinal axis of the receptacle.
4. A debris collection container as claimed in claim 1 and further comprising a transparent window, the transparent window located in one of the connector and the receptacle.
5. A debris collection container as claimed in claim 1 wherein the part spherical shaped dome section is transparent.
6. A debris collection container as claimed in claim 1 wherein the connection section and the part spherical shaped dome section form a cap.
7. A debris collection container as claimed in claim 6 wherein the receptacle defines an aperture through which debris can be removed from the receptacle, and the cap is releasably attachable to the receptacle for sealing the aperture.

8. A debris collection container as claimed in claim 7 wherein the receptacle includes a rim surrounding the aperture, and the cap is releaseably attachable to the rim.
9. A debris collection container as claimed in claim 7 wherein the size of the aperture is fixed and relatively large.
10. A debris collection container as claimed in claim 7 and further comprising a bayonet type connector whereby the cap is attachable to the receptacle.
11. A debris collection container as claimed in claim 7 wherein the cap is releasably connectable to the receptacle by a connection means, the connection mean comprising
 - a first part including two pegs moveable between an inner position and an outer position, and biasing means to resiliently bias the pegs to the outer positions;
 - the second part including a T shaped slot, and the T-shaped slot defining an entrance at the bottom of the T shaped slot; and
 - wherein one of the first part and the second part is mounted on the receptacle and the other of the first part and the second part is mounted on the cap, and the first part and the second part are connectable to each other by insertion of the pegs into the entrance of the T shaped slot when the pegs are moved to their inner positions, sliding the pegs to top of the T shaped slot and allowing the biasing force of the biasing means to move the pegs to their outer positions whilst located in the top section of the T shaped slot.
12. A debris collection container as claimed in claim 7 wherein the cap comprises the part spherical shaped dome section.
13. A debris collection container as claimed in claim 1 wherein the receptacle includes a deformable section manipulatable between a compressed condition and an expanded condition.
14. A debris collection container as claimed in claim 13 wherein the receptacle further includes a first rigid section, a second rigid section connected to the first rigid section via the deformable section, and wherein the first rigid section can be releasably attached to the second rigid section when the deformable section is in the compressed condition.

15. A debris collection container as claimed in claim 14 wherein the first rigid section includes a hoop and the second rigid section includes a catch, and the catch is engageable with the hoop for holding the first rigid section and the section rigid section in proximity to each other when the deformable section is in the compressed condition.

16. A debris collection container as claimed in claim 13 wherein the deformable section includes a spring and the spring biases the deformable section into the expanded condition.

17. A debris collection container as claimed in claim 16 wherein the receptacle defines a wall and the spring forms part of the wall.

18. A planer comprising

- a planer body;

- a cutting drum rotatably mounted in the planer body;

- a conduit within the housing for removal of debris generated by the planer and the conduit defining an exhaust aperture; and

- a debris collection container including:

- a receptacle for storage of the debris; and

- a connector attachable between the receptacle and the planer and which defines a path along which debris can pass from the planer to the receptacle, the connector including a connection section and a part spherical shaped dome section, the connection section attached to a side wall of the part spherical shaped dome section and defining an aperture through which debris passes from the connection section into the part spherical shaped dome section, the part spherical shaped dome section having a base and the base defining a large aperture through which debris enters the receptacle, and wherein the part spherical shaped dome section includes a deflector for curving the path the debris through substantially ninety degrees as the path passes through the part spherical dome section.